



***SUMMARY:** Experienced and dedicated Lecturer with a good background in (Analytical Chemistry). Skilled in creating engaging lessons, fostering a positive learning environment, and guiding students toward academic success.*

Dheyaa H. Ibrahim

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07703830568

E-Mail:
dheyaa.ibrahim@uodiyala.edu.iq

Skill Highlights

- Skill Highlights
- Project management
- Strong decision maker
- Innovative
- Academic research

Languages

1. Arabic (Native)
2. English (Advanced)

1. Experience

1.1 Academic skill and Research

- Operating various analytical instruments, including Gas Chromatography GC, High-Performance Liquid Chromatography (HPLC), Gas Chromatography-Mass Spectrometry, Scanning Electron Microscope SEM, UV-Vis, Fourier-Transform Infrared Spectroscopy (FTIR), Atomic Absorption Spectroscopy (AAS), and Viscometer, Conductometer, Impedance spectroscopy model 2263PARSTAT (Princeton Applied Research)...etc.
- Conducted quantitative and qualitative analysis of various chemical compounds using spectroscopic techniques.
- Developing and validating analytical methods (HPLC & Spectrophotometric methods) for purity and environmental application as well as identification of some pharmaceutical products.
- Collaborated with cross-functional teams to identify and quantify some new organic compounds using various analytical techniques such as GC-MS, HPLC, AAS, FTIR, and UV-Vis

1.2 Teaching Assistant

- ❖ **Western Kentucky University-Chemistry Department, USA (2015-2016)**
- I taught the following courses (Chem 106, Chem 330).
- Also, I volunteered to teach other chemistry courses to small groups of students at the college library.



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1.3 Teaching

University of Diyala, College of Education for Pure Science Chemistry department (2009-up to now)

- ❖ Lab Courses that I taught:
 1. Introduction to Chemistry, College Chemistry Laboratory I
 2. Organic laboratories for (level I, II, III, IV),
 3. Analytical laboratories for (level I, II, IV), and Physical laboratories for (level II, III).
- ❖ In addition, Instrumental analysis 4th Stage.
- ❖ Assisting and monitoring undergraduate students performing various instructive experiments.
- ❖ Preparing lab setups, enforcing safety regulations, and maintaining a clean and orderly laboratory environment.

2. Education

- ❖ **Bachelor of Science in Chemistry from University of Diyala, College of Education for Pure Science. (2005-2009)**
 - I graduated with honors and "Very good", I achieved position No. 1 among graduated students in our chemistry department as well as in our college.
- ❖ **Master of Science in Chemistry from Western Kentucky University, USA. (2014-2016)**
 - I graduated with an honors "GPA 4.0"



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3. Publication

1. Dheyaa H. Ibrahim. 2016. "The Investigation of The Electrical Control of Hemimicelles and Admicelles on Gold for Analyte Preconcentration." <http://digitalcommons.wku.edu/theseshttp://digitalcommons.wku.edu/theses/1732>.
2. Abdulreda, Waseela, Abdul Razaq, Dheyaa H Ibrahim, Tareq K Ibraheem, Mustafa K Shneshil, Mustafa K Mohammed, Osama K Alwan, and Hiba S Ahmed. 2018. "SYNTHESIS AND ANTI-BACTERIAL ACTIVITY OF SOME 1,3,4-THIADIAZOLE AZO COMPOUNDS." *Biochem. Cell. Arch* 18 (2): 2073–75. <https://www.researchgate.net/publication/334151907>.
3. Ibrahim, Dheyaa H., Ali J. Saleem, Adil A. Awad, Hiba S. Ahmed, and Mustafa K. Shneshil. 2019. "Antioxidant and Antibacterial Activity of Some 2-Amino-1,3,4-Thiadiazole Schiff's Bases." *Journal of Physics: Conference Series* 1294 (5). <https://doi.org/10.1088/1742-6596/1294/5/052029>.
4. Ahmed Mahdi Saeed, Dheyaa H. Ibrahim and Hind A.W. A. Al – latief. 2020"RP - HPLC method for the determination of removal phenol as a pollutant in aqueous solution." *J. Phys.: Conf. Ser.* 1660 012020. <https://doi:10.1088/1742-6596/1660/1/012020>.